

U.S. Department of Commerce, Patent and Trademark Office		Atty Docket No.	Serial No.
		LUM-9390-1D	Not yet known
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant(s)	
		Carrie Carter Coman; Fred A. Kish Jr.; Michael R. Krames and Paul S. Martin	
		Filing Date	Group
		Hherewith	Not yet known

U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
GM	AA	6,376,269	4/23/02	Chan et al.	438	29	
	AB	6,291,839	9/18/01	Lester	257	91	
	AC	6,194,743	2/27/01	Kondoh et al.	257	94	
	AD	6,153,010	11/28/00	Kiyoku et al.	117	95	
	AE	5,985,687	11/16/99	Bowers et al.	438	46	
	AF	5,952,681	9/14/99	Chen	257	89	
	AG	5,862,167	1/19/99	Sassa et al.	372	45	
	AH	5,838,707	11/17/98	Ramdani et al.	372	45	
	AI	6,111,272	8/29/00	Heinen	257	94	
	AJ	5,390,210	2/14/95	Fouquet et al.	372	92	
GR	AK	5,821,571	10/13/98	Lebby et al.	257	98	

Foreign Patent Documents

		Document	Date	Country	Class	Subclass	Translation
GR	AL	DE 197 15 572 A1	4/15/97	Germany			X
	AM	DE 195 11 415 A1	3/28/95	Germany			X
	AN	DE 199 45 465 A1	9/22/99	Germany			X
	AO	0 051 172 A1	10/12/81	EP			X
GR	AP	0 444 630 A1	2/27/91	EP			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

GR	AQ	Handbook of Chemistry and Physics, 1976-1977; CRC Press, 57 th Ed., pp. B47-B-48.
	AR	Ng, Complete Guide to Semiconductor Devices, 1995, pp. 392-393.
GR	AS	J.J. Dudley, D.I. Babic, R. Mirin, L. Yang, B.I. Miller, R.J. Ram, T. Reynolds, E.L. Hu, and J.E. Bower, "Low Threshold Wafer Fused Long Wavelength Vertical Cavity Lasers", Applied Physics Letters 64 (12), pp. 1463-1465.

Examiner

Date Considered

5/29/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
Sch	AA	5,496,766	3/5/96	Amano et al.	437	127	
	AB	4,243,966	1/6/81	Lebailly et al.	357	17	
	AC	6,110,277	8/29/00	Braun	117	94	
	AD	5,804,834	9/8/98	Shimoyama et al.	257	22	
Sch	AE	6,104,044	8/15/00	Iyechika et al.	257	103	
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents,

Translation

		Document	Date	Country	Class	Subclass	Yes	No
Sch	AL	2 423 869	4/21/78	France				X
	AM	GB 2307 791 A	6/4/97	UK				
Sch	AN	EP 0 860 913 A3	8/26/98	EP				
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Sch	AQ	English language abstract of DE19945465, 1 page.
Sch	AR	English language abstract of EP0051172, B1, 1 page.
	AS	

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